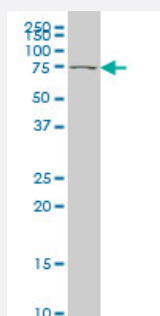


TBX2 monoclonal antibody (M01), clone 7G5

Catalog # H00006909-M01

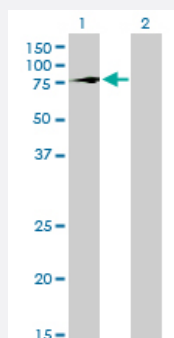
Size 50 ug

Applications



Western Blot (Cell lysate)

TBX2 monoclonal antibody (M01), clone 7G5 Western Blot analysis of TBX2 expression in HeLa S3 NE (Cat # L013V3).

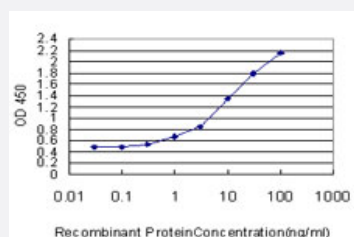


Western Blot (Transfected lysate)

Western Blot analysis of TBX2 expression in transfected 293T cell line by TBX2 monoclonal antibody (M01), clone 7G5.

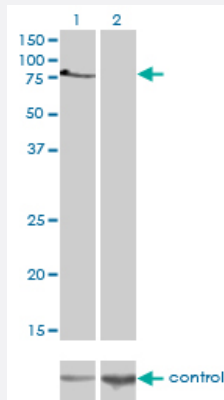
Lane 1: TBX2 transfected lysate(74.1 KDa).

Lane 2: Non-transfected lysate.



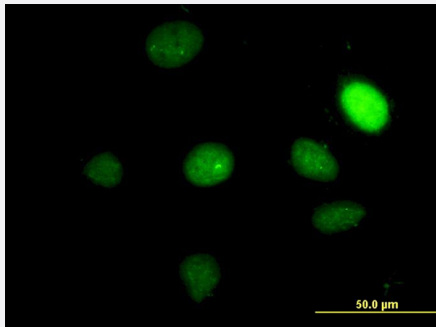
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TBX2 is approximately 0.3ng/ml as a capture antibody.



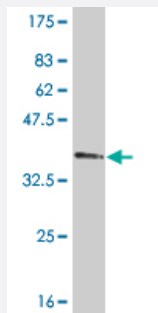
RNAi Knockdown (Antibody validated)

Western blot analysis of TBX2 over-expressed 293 cell line, cotransfected with TBX2 Validated Chimera RNAi (Cat # H00006909-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with TBX2 monoclonal antibody (M01), clone 7G5 (Cat # H00006909-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Immunofluorescence

Immunofluorescence of monoclonal antibody to TBX2 on HeLa cell. [antibody concentration 30 ug/ml]



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant TBX2.
Immunogen	TBX2 (NP_005985, 603 a.a. ~ 702 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	GSARPLRFSPYQIPVTIPPSTSLTTGLASEGSKAAGGNSREPSPLPELALRKVGAPSRGALSPSGSAKEAANELQSIQRLVSGLESQRALSPGRESKP
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95)

Isotype	IgG3 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

TBX2 monoclonal antibody (M01), clone 7G5 Western Blot analysis of TBX2 expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of TBX2 expression in transfected 293T cell line by TBX2 monoclonal antibody (M01), clone 7G5.

Lane 1: TBX2 transfected lysate(74.1 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged TBX2 is approximately 0.3ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- RNAi Knockdown (Antibody validated)

Western blot analysis of TBX2 over-expressed 293 cell line, cotransfected with TBX2 Validated Chimera RNAi (Cat # H00006909-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with TBX2 monoclonal antibody (M01), clone 7G5 (Cat # H00006909-M01). GAPDH (36.1 kDa) used as specificity and loading control.

[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of monoclonal antibody to TBX2 on HeLa cell. [antibody concentration 30 ug/ml]

Gene Info — TBX2

Entrez GeneID [6909](#)

GeneBank Accession# [NM_005994](#)

Protein Accession# [NP_005985](#)

Gene Name TBX2

Gene Alias FLJ10169

Gene Description T-box 2

Omim ID [600747](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene is a member of a phylogenetically conserved family of genes that share a common DNA-binding domain, the T-box. T-box genes encode transcription factors involved in the regulation of developmental processes. This gene product is the human homolog of mouse Tbx2, and share s strong sequence similarity with Drosophila omb protein. Expression studies indicate that this gene may have a potential role in tumorigenesis as an immortalizing agent. Transcript heterogeneity due to alternative polyadenylation has been noted for this gene. [provided by RefSeq

Other Designations -

Publication Reference

- [Three subtypes of lung cancer fibroblasts define distinct therapeutic paradigms.](#)

Haichuan Hu, Zofia Piotrowska, Patricia J Hare, Huidong Chen, Hillary E Mulvey, Aislinn Mayfield, Sundus Noeen, Krystina Kattermann, Max Greenberg, August Williams, Amanda K Riley, Jarad J Wilson, Ying-Qing Mao, Ruo-Pan Huang, Mandeep K Banwait, Jeffrey Ho, Giovanna S Crowther, Lida P Hariri, Rebecca S Heist, David P Kodack, Luca Pinello, Alice T Shaw, Mari Mino-Kenudson, Aaron N Hata, Lecia V Sequist, Cyril H Benes, Matthew J Niederst, Jeffrey A Engelman.

Cancer Cell 2021 Nov; 39(11):1531.

Application: WB-Tr, Human, Patient-derived fibroblasts

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Diabetes Mellitus](#)

- [Genetic Predisposition to Disease](#)